

FIG. 1A

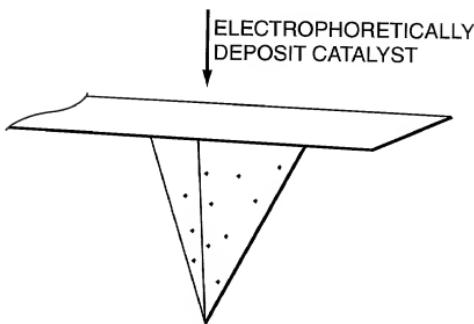


FIG. 1B

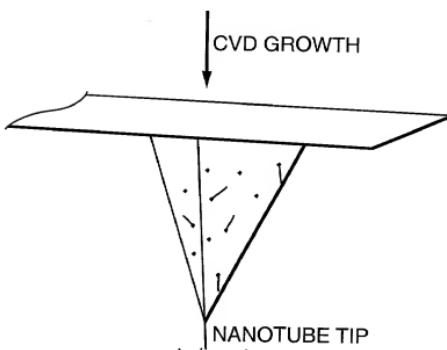


FIG. 1C

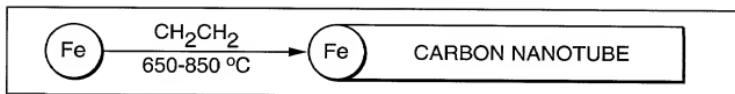


FIG. 2A

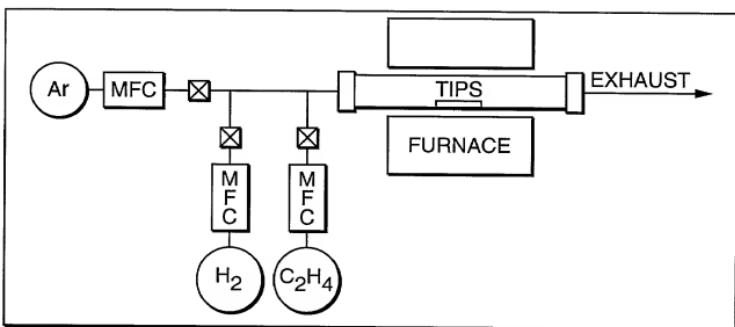
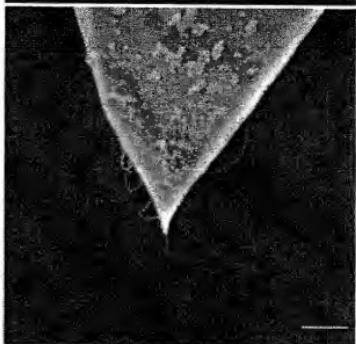


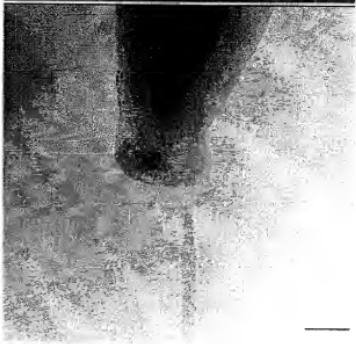
FIG. 2B



— FIG. 3A



— FIG. 3B



— FIG. 3C

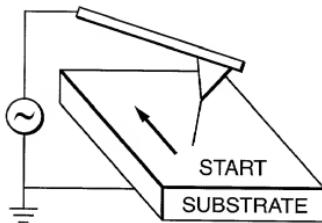


FIG. 4A

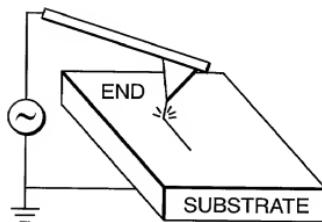


FIG. 4B

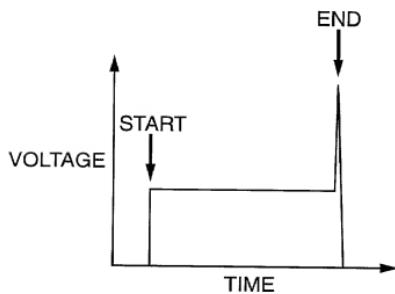


FIG. 4C

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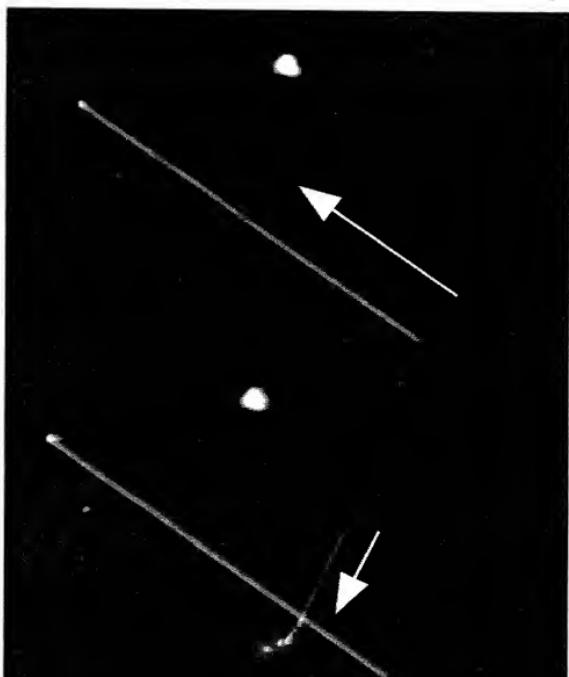


FIG. 5A

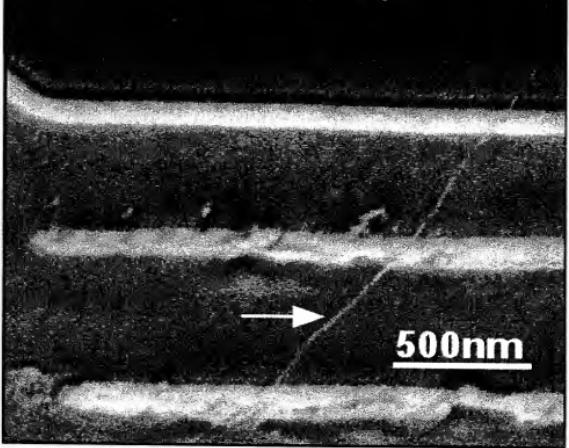


FIG. 5B

09966812.032202

FIG. 5C

099999812 - 032202

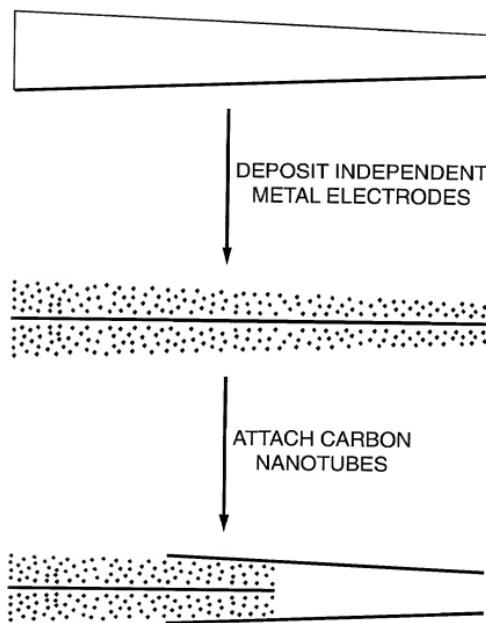


FIG. 6A

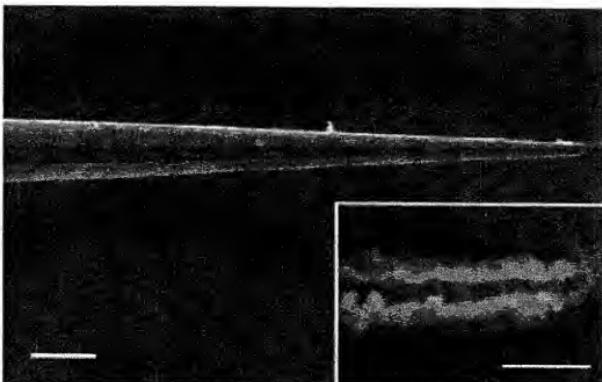


FIG. 6B

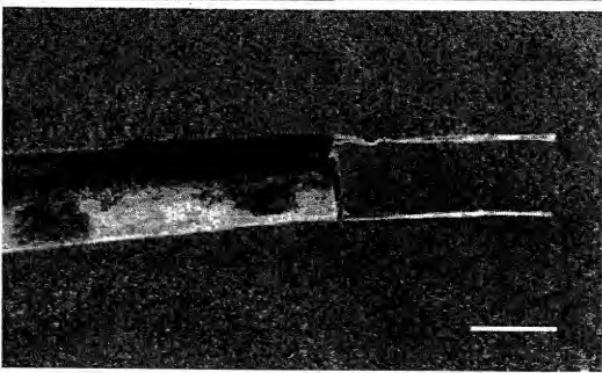


FIG. 6C

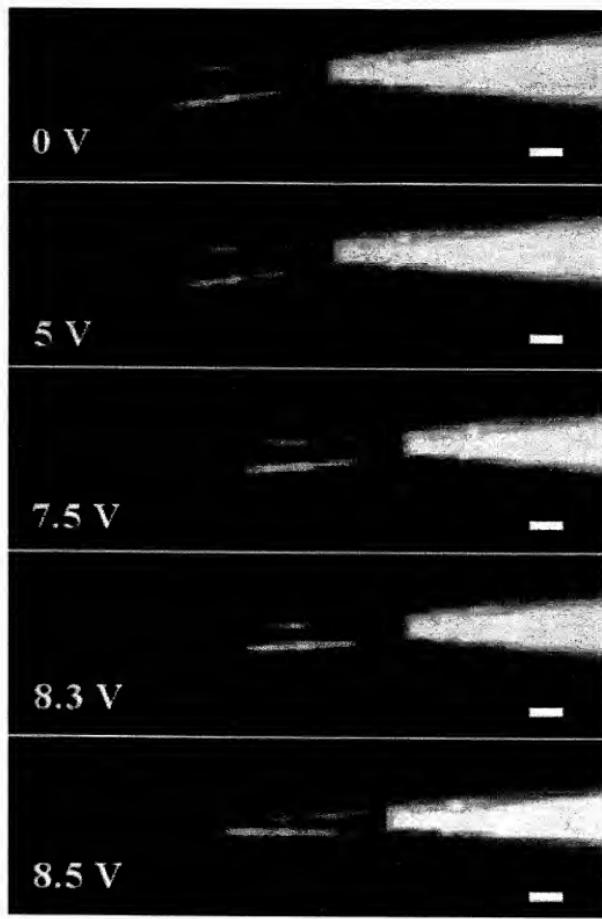


FIG. 7A

FIG. 7B

FIG. 7C

FIG. 7D

FIG. 7E

2022-01-27 23:56:56.0

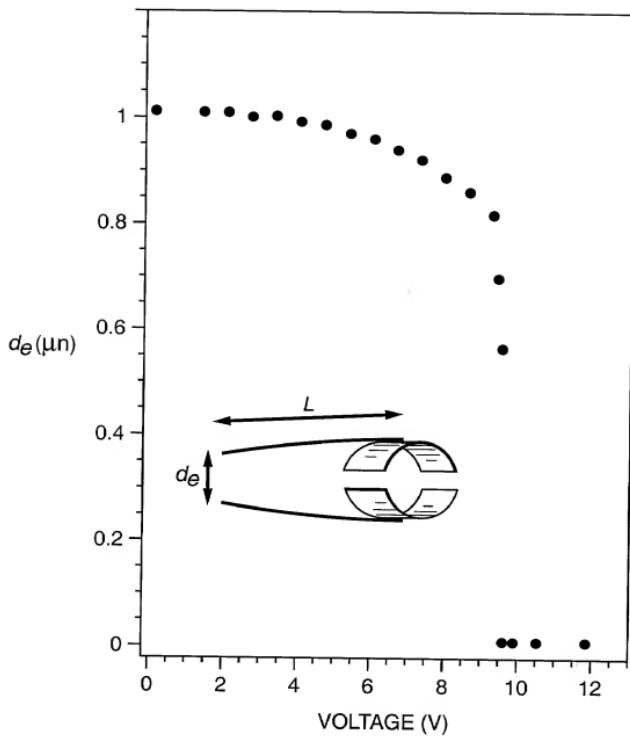


FIG. 7F

20220727899660

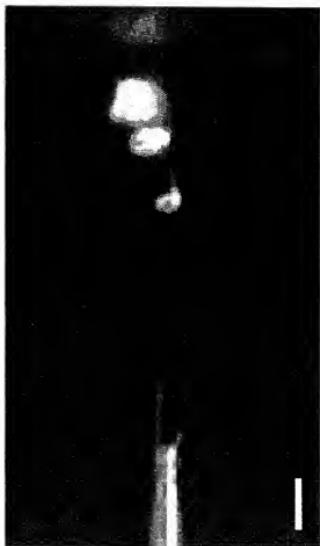


FIG. 8A



FIG. 8B



FIG. 8C

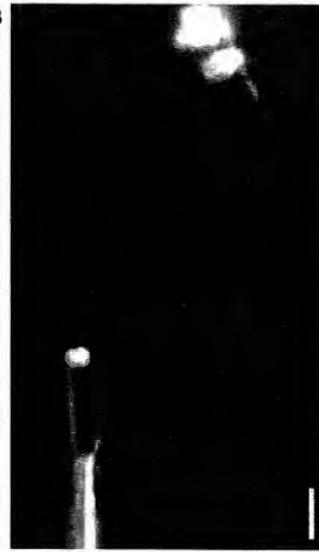


FIG. 8E

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FIG. 9A

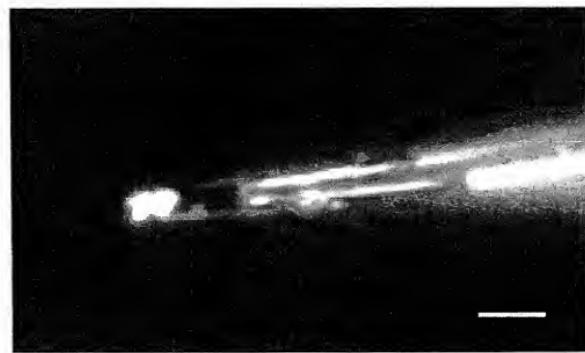


FIG. 9B

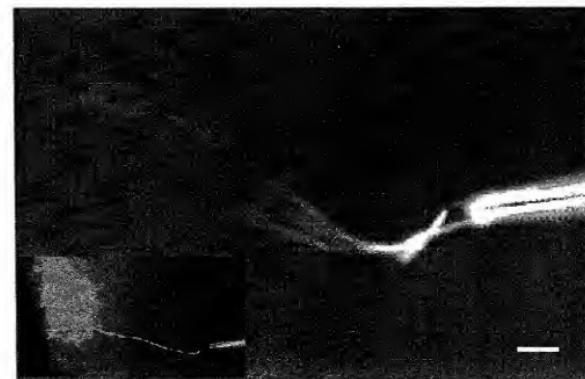


FIG. 9C

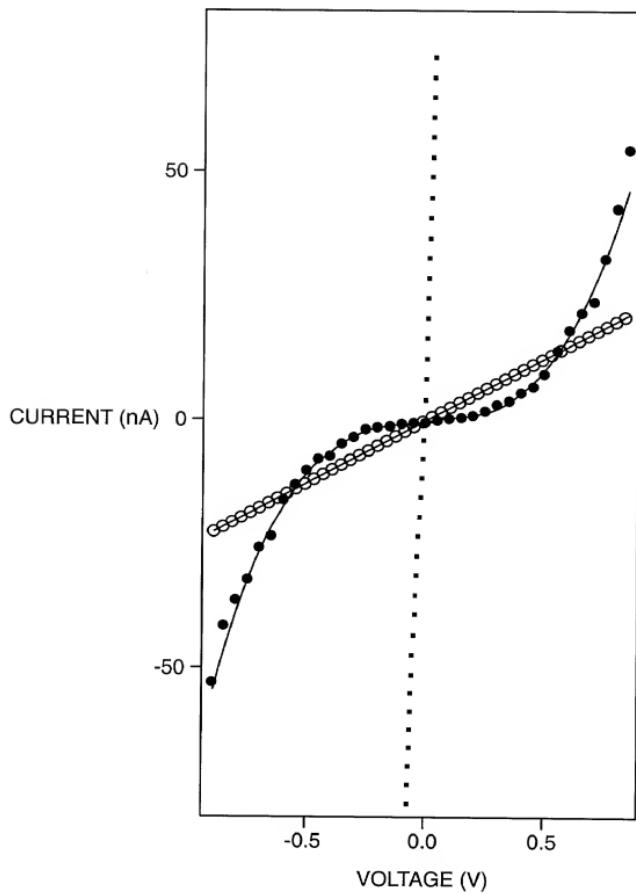
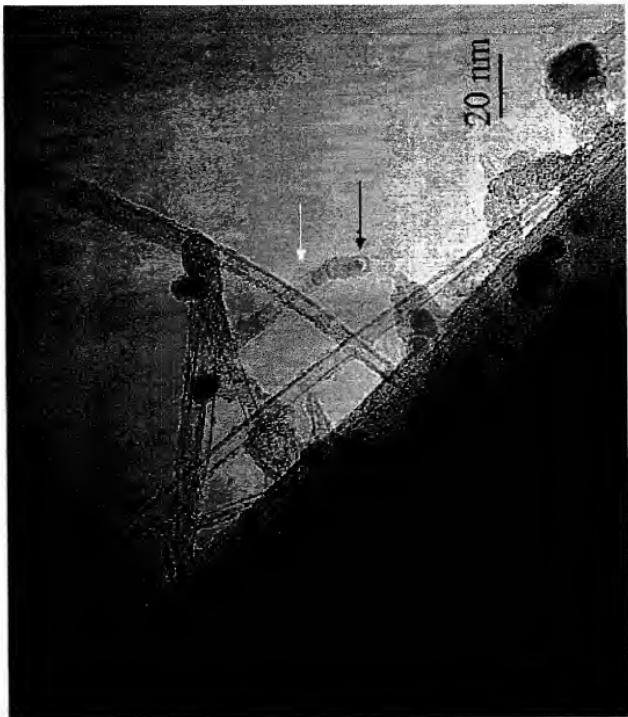
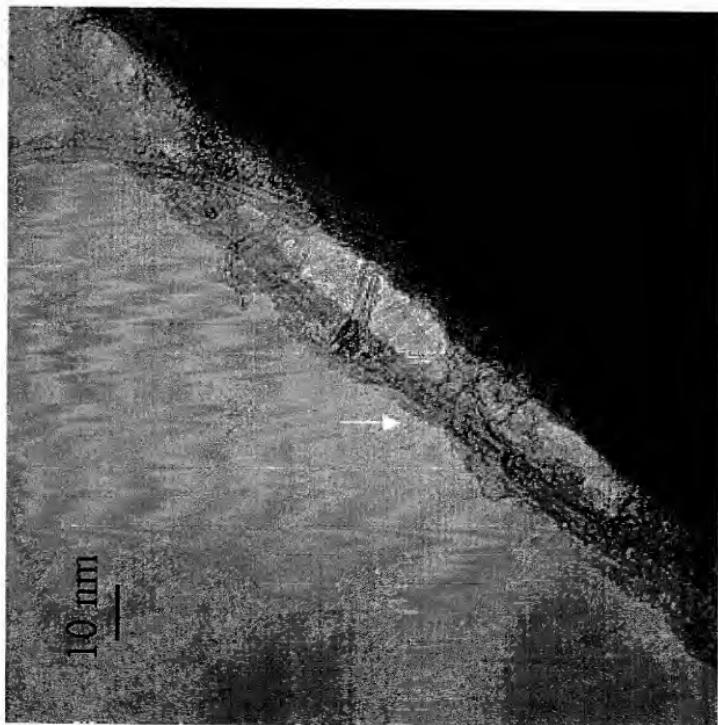


FIG. 9D



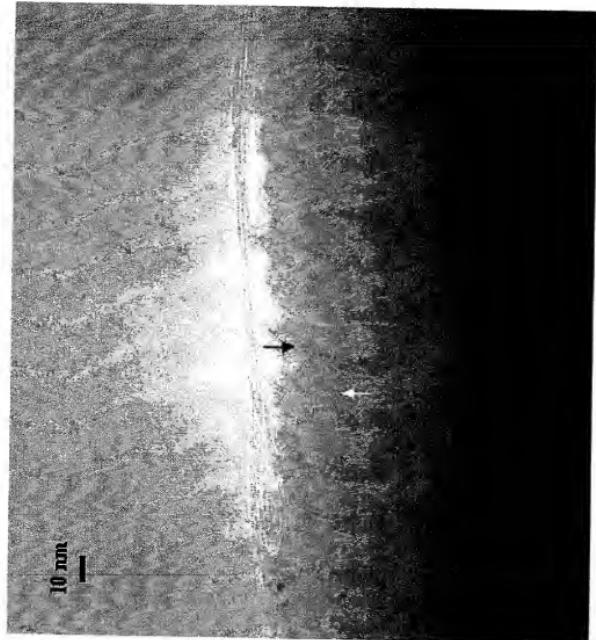
Catalyst: FeOx 6I (black arrow)
Carbon Source: C₂H₄, SWNT (white arrow)
Majority of catalyst size: 4-6nm
Majority of SWNT size: 4nm

FIG. 10



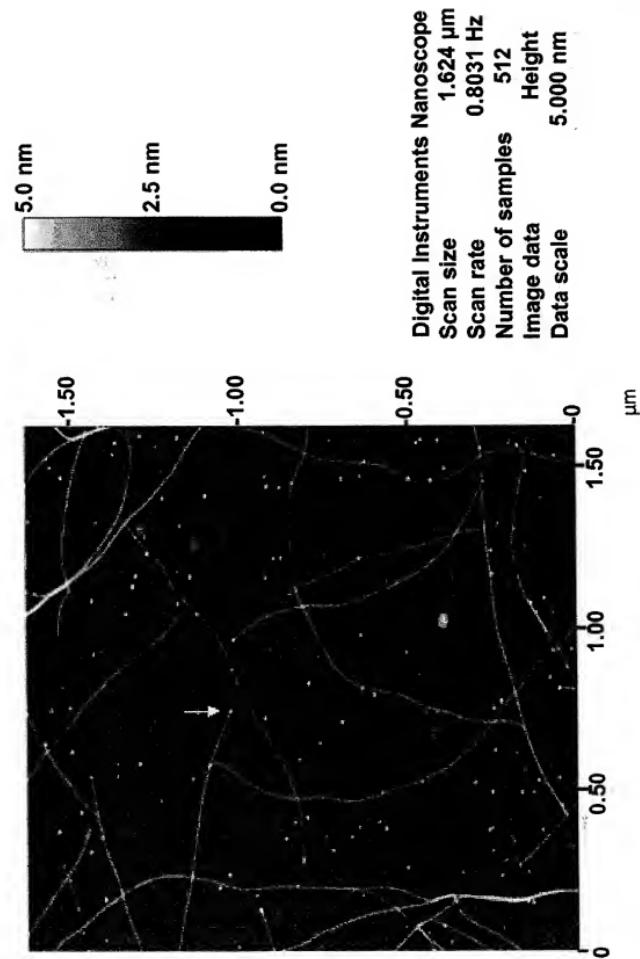
Catalyst: FeOx 2L
Carbon source: CO
0.8 nm SWNT (white arrow)

FIG. 11



Catalyst: FeOx 2L (black arrow)
Carbon source: CO, SWNT (white arrow)
Majority of catalyst size: 1.5-3.5 nm
Majority of nanotube size: 1.3-2.3 nm

FIG. 12



Catalyst: FeOx 6L (white arrow)
Carbon source: C_2H_4 , SWNT (black arrow)

FIG. 13

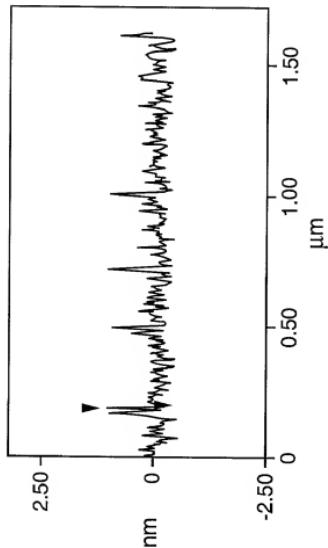


FIG. 14A

L	15.862 nm
RMS	0.447 nm
Ic	DC
R(a/c)	0.129 nm
Rmax	0.483 nm
Rz	0.375 nm
Rz Cnt	4
RADIUS	54.556 nm
SIGMA	0.169 nm

SURFACE DISTANCE	15.987 nm
HORIZ. DISTANCE (L)	15.862 nm
VERT. DISTANCE	1.609 nm
ANGLE	5.791 deg
SURFACE DISTANCE	
HORIZ. DISTANCE	
VERT. DISTANCE	
ANGLE	
SURFACE DISTANCE	
HORIZ. DISTANCE	
VERT. DISTANCE	
ANGLE	
SPECTRAL PERIOD	DC
SPECTRAL FREQ.	0 Hz
SPECTRAL RMS amp	0.00006 nm

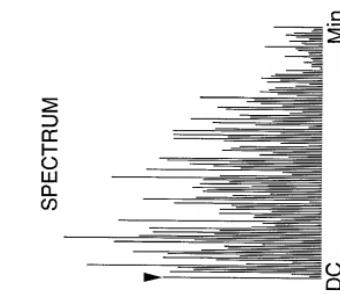


FIG. 14C



FIG. 14B

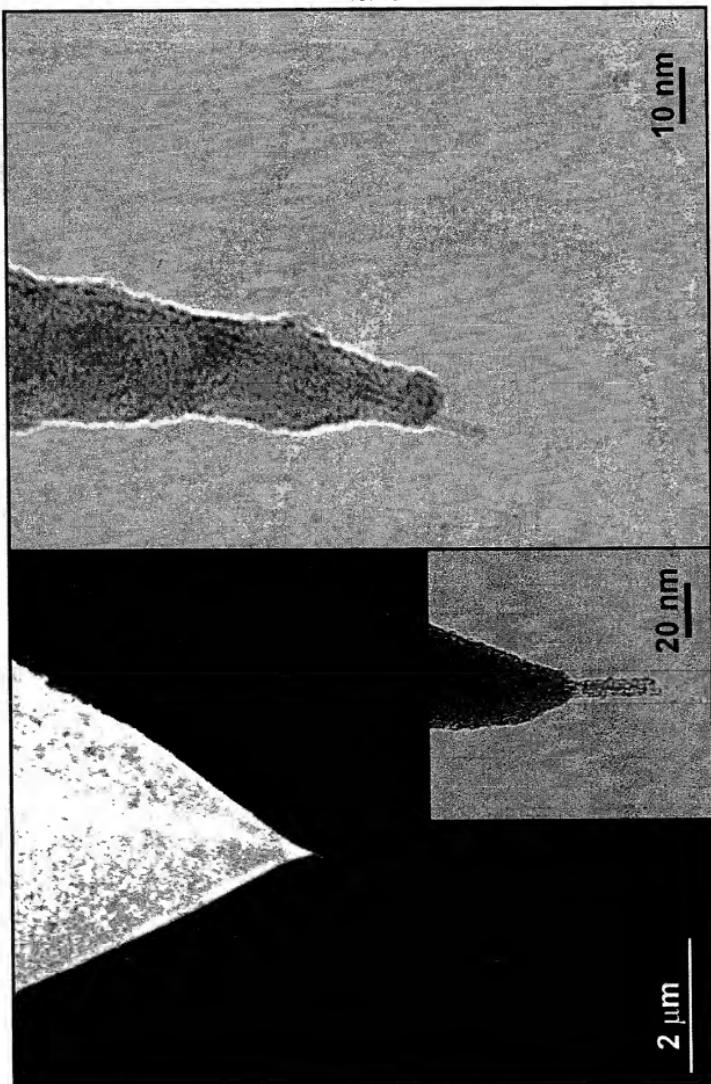


FIG. 15B

FIG. 15A